Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A process for the oligomerization of olefins, which process comprises the steps of contacting an olefinic feedstock containing a mixed olefin feed having 4 and 5 carbon atoms under oligomerization conditions with a selectivated crystalline molecular sieve oligomerization catalyst and recovering an olefinic oligomeric product, of which at least a dimeric component has an average degree of branching of at most 2.0 and a Type V double bond content of at most 10%, and wherein the proportion of dimer product that is linear or has single methyl group branching is from 62 to 83%, said process further characterized by recovering a dimer fraction from said olefinic oligomer product.

2-46. (Cancelled)